



Introduction

CloudDat™ uses the Emmy® Award winning ExpeDat™ accelerated file transfer software to move files from anywhere in the world to your Amazon Simple Storage Service (S3) bucket, Amazon Elastic Block Store (EBS), or instance storage at up to 2 Gigabytes per second (Gbps) per CloudDat instance. Upload Terabytes (TB) of data in just a few hours for just a few dollars. Deployment takes only minutes and hourly or monthly offerings are available through Marketplace. Data Expedition, Inc.® is an APN Advanced Technology Partner and has been in Marketplace since 2013.

Use Cases

Any transfer of data to or from S3, EBS, or Instance storage where speed and reliability are important is an appropriate deployment for CloudDat. For example:

- Digital Archiving
- Media Asset Management (MAM)
- Playout, Distribution and OTT
- Video transcoding and encoding
- Backup and recovery
- Lift and shift cloud migration
- Integration with third-party hybrid storage devices and software providers

Public case studies, including several involving CloudDat for AWS, can be found [here](#).

Typical Customer Deployment

CloudDat for AWS is typically deployed as an AWS Marketplace AMI via a CloudFormation stack. Customers may choose among hourly, hourly-monthly, or annual payment models, with hourly the most common. All resources and services, including EC2 instances, S3 storage, and security profiles are owned and controlled by the customer at all times.

Initial setup and configuration typically takes about 10 minutes, less for experienced AWS users. Customer specifies the deployment region, target S3 bucket, and initial client credentials. Once CloudFormation has launched the EC2 instance, users can download the easy-to-use client software from that EC2 instance and begin browsing the S3 bucket and transferring data. A step-by-step guide to deployment is available [here](#):

Deployment Details

All of the CloudDat software, including server and clients, is contained in the marketplace AMI. Only novice AWS skills are required for basic deployment. Familiarity with the Amazon Linux command line environment is required for advanced configuration. To use CloudDat, customers will need:

- An Amazon Web Services account
- An Amazon S3 bucket
- A high-speed Internet path to Amazon Web Services
- A Secure Shell (SSH) client and EC2 SSH Keys for the bucket's region (optional, for advanced configuration)

Client software is downloaded from the CloudDat EC2 instance and supports Windows, macOS, Linux, FreeBSD, and Solaris. Anyone familiar with FTP, Secure Copy, or similar file transfer software can use CloudDat.

Costs

CloudDat Hourly from AWS Marketplace is billed at \$1.50 per instance hour. This allows up to 4 simultaneous operations per instance.

CloudDat Monthly from AWS Marketplace is billed at \$400 per month plus \$0.50 per instance hour. This allows up to 4 simultaneous operations per instance.

CloudDat Monthly High Capacity from AWS Marketplace is billed at \$400 per month plus \$1.00 per instance hour. This allows up to 16 simultaneous operations per instance.

There are no charges for bytes transferred or stored other than standard AWS usage fees. For current AWS fees, see:

<https://aws.amazon.com/pricing/>

Sizing

Speed to and from each CloudDat instance is determined by the client bandwidth and the EC2 instance type. Typical speed ranges *per transfer* are:

Instance Type	Speed
c5.large	100 to 400 megabits per second
c5.xlarge	200 to 600 megabits per second
c5.2xlarge	400 to 1000 megabits per second
c5.4xlarge	700 to 2000 megabits per second

Total transfer rates through each EC2 instance may be considerably higher when multiple transfers to multiple objects or buckets are performed at the same time.

Total transfer rates may be further increased by adding more CloudDat instances.

Learn more about CloudDat by visiting AWS Marketplace.